

**AMENDMENTS TO THE CLAIMS:**

The listing of claims shown below will replace all prior versions, and listings, of claims in the Application:

1. (Cancelled)
2. (Currently Amended) The vaso-occlusive device of claim 15, wherein the agent carrier is secured to the occlusive member.
3. (Original) The vaso-occlusive device of claim 2, wherein the agent carrier is secured to the occlusive member by an adhesive.
4. (Original) The vaso-occlusive device of claim 2, the occlusive member having first and second ends, wherein the agent carrier is secured at one or both ends of the occlusive member.
5. (Original) The vaso-occlusive device of claim 2, wherein the agent carrier is secured at one or more locations along a length of the occlusive member.
6. (Currently Amended) The vaso-occlusive device of claim 15, wherein the bioactive agent comprises a homopolymer, a copolymer, or a combination thereof.
7. (Original) The vaso-occlusive device of claim 6, wherein the bioactive agent

comprises one or more of a polyester, acrylic, polyether, polysiloxane, polyurethane and polycarbonate.

8. (Currently Amended) The vaso-occlusive device of claim 15, wherein one or both of the agent carrier and bioactive agent comprises one or more of a synthetic polymer, polysaccharide and protein.

9. (Original) The vaso-occlusive device of claim 8, wherein one or both of the agent carrier and bioactive agent comprises one or more of polyglycolic acid, polylactic acid, polycaprolactone, polyhydroxyalkanoate, polydioxanone, poly(trimethylene carbonate), polyanhydride, and polyamino acid, and copolymers thereof.

10. (Original) The vaso-occlusive device of claim 8, wherein one or both of the agent carrier and bioactive agent comprises one or more of poly(g-ethyl glutamate), poly(DTH iminocarbonate), poly(bisphenol A iminocarbonate), and polyarylate, and copolymers thereof.

11. (Currently Amended) The vaso-occlusive device of claim 15, wherein the agent carrier has an elongate shape.

12. (Currently Amended) The vaso-occlusive device of claim 15, wherein the occlusive member is a coil.

13. (Original) The vaso-occlusive device of claim 12, wherein the agent carrier has a coil shape.

14. (Currently Amended) The vaso-occlusive device of claim 15, wherein the agent carrier comprises a material that adheres or absorbs the bioactive material.

15. (Original) A vaso-occlusive device, comprising:

an occlusive member having a lumen; and

an active element carried in the lumen, wherein the active element expands or contracts when placed in a body to thereby cause the occlusive member to substantially retain its shape when deployed in a body cavity,

the active element comprising or otherwise carrying a bioactive agent that elicits a biological reaction inside a body.